Project: Improvements to Roa
(Package inclu

AGENCY:- M/s Karthik Enterprises

Estimated cost: 1010 Lakhs

Amount put to Tender as per Sanction : 9,69,80,738.26

Tender Notification Number :- EE/BTP/BBMP/E-PMT/22/2016-17 **Date: 09.03.2017**

Accepted Tendered Amount : 10,17,01,384.78

Head of Account : P3158 SIP Infrastructure Projects Works

Sl. No.	Description of work	Unit	As per Tender			Total Antisipated Qty
			Qty	Rate	Amount	
1	2	3	7	8	9	10
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (P.No.137, I.No.18.20 of PW,P&IWTD SR 2016-17)	Cum	73.60	488.86	35980.10	206.58
3	Removing and Resetting of Footpath Slab (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm	2231.91	138.94	310101.58	2,233.95
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)	Cum	842.36	5608.71	4724552.96	938.80
7	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW, P&IWTD SR 2016-17)	Sqm	76.55	256.76	19654.98	180.33
8	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.15, I.No.4.31 of PW,P&IWTD SR 2016-17)	Sqm	551.16	325.67	179496.28	561.85
14	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)	Cum	181.27	4653.92	843616.08	212.76
15	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(P.No.24, I.No.5.26.2 of PW, P&IWTD SR 2016-17)	Sqm	584.00	1008.15	588759.60	760.80
17	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)	Cum	124.71	6047.76	754216.15	158.37
21	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	564.90	4995.53	2821974.90	576.75
22	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No.25, I.No.5.30 of PW,P&IWTD S.R 2016-17)	Nos	6690.00	347.90	2327451.00	7,414.00
25	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)	Cum	2389.63	162.28	387789.16	5,610.87
26	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)	Cum	1375.36	1854.01	2549931.19	3,765.28

rain and Footpath and Park in Ward No.8,
11 works of Rs 1010Lakhs)

Work Slip- 01

Total Amount 14+17	Qty up to 125%			Qty above 125%			Total Amount 14+17	Work Slip Amount 11-09
	Qty	Rate	Amount	Qty	Rate	Amount		
11	12	13	14.00	15	16	17.00	18	19
99,791.99	92.00	488.86	44,975.12	114.58	478.42	54,816.87	99,791.99	63811.90
3,10,385.01	2233.95	138.94	3,10,385.01	0.00		0.00	3,10,385.01	283.44
52,65,435.66	938.80	5608.71	52,65,435.66	0.00		0.00	52,65,435.66	540882.71
45,837.31	95.69	256.76	24,569.36	84.64	251.28	21,267.94	45,837.31	26182.33
1,82,977.69	561.85	325.67	1,82,977.69	0.00		0.00	1,82,977.69	3481.41
9,90,189.43	212.76	4653.92	9,90,189.43	0.00		0.00	9,90,189.43	146573.35
7,66,337.06	730.00	1008.15	7,35,949.50	30.80	986.61	30,387.56	7,66,337.06	177577.46
9,57,490.73	155.89	6047.76	9,42,785.31	2.48	5918.57	14,705.42	9,57,490.73	203274.58
28,81,171.93	576.75	4995.53	28,81,171.93	0.00		0.00	28,81,171.93	59197.03
25,79,330.60	7414.00	347.90	25,79,330.60	0.00		0.00	25,79,330.60	251879.60
9,01,440.23	2987.04	162.28	4,84,736.85	2623.83	158.81	4,16,703.38	9,01,440.23	513651.07
68,99,829.02	1719.20	1854.01	31,87,413.99	2046.08	1814.40	37,12,415.02	68,99,829.02	4349897.82

Sl. No.	Description of work	Unit	As per Tender			Total Antisipated Qty
			Qty	Rate	Amount	
1	2	3	7	8	9	10
27	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specif	Sqm	5510.44	28.90	159251.72	16,134.98
29	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)	Sqm	79163.61	12.23	968170.95	82,536.56
30	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 (P.No.163 I.No. 21.17.6 of PW,P&IWTD S.R 2016-17)	Cum	1234.01	6748.01	8327111.82	1,352.41
33	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M20 (at 300Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) ((P.No.177, I.No.22.6.2 of PW,P&IWTD SR 2016-17)	cum	160.20	5776.55	925403.31	306.28
39	KSRRB M800-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000kg tested in accordance to specification of category A of MORTH Circular No RW/NH/33023/10-97-Do III Dt 11.06.1997. The Height, width and length shall no exceed 50mm, 100mm, and 102mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less than 30 mm) from the body is to be a minimum vakue of 500 kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the certified laboratory. Third party test certificates from a reputed test laboratory shall be submitted with seal and signature in originals. (P.No.189, I.No.24.41 of PW,P&IWTD SR 2016-17)	Nos	2092.20	376.80	788340.96	2,147.00
40	Manufacturing, Supply & Fixing of Retro- Reflection Road name sign board single Arrow size 1.98X0.9m size made out if wide angle cube corner micro prismatic grade sheeting confirming to IRC 67:2010 & type XI standards of ASTM D 4956-09 specifications and fixed over 2mm thick aluminium sheet back support frame of stainless stell supported by 30NB 1.2mm thick stainless steel pipe all around and 65NB 1.5mm thick pipe vertical post (AISI 202 Grade) firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 30cmx30cmx45cm etc.complete. The information message shal be made out of cut out letters in blue colour transparent overlay film as per IRC 67-2010 Guidelines, 7 years pre-qualification warranty for retro reflective sheeting from the original sheeting manufacturer and a certied copy of three years outdoor exposure report from an independent test lab for the product offered shall be submitted by the contractor. The sign board shall be Retro-Reflective Type XL	each	16.00	29622.95	473967.20	16.00
42	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm	4200.00	5.56	23352.00	10,291.46
43	KSRRB 500-3. Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100 m. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH specification clause 501	Sqm	325.00	96.70	31427.50	1,968.00
48	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202	Sqm	40.00	46.68	1867.20	360.00

Total Amount 14+17	Qty up to 125%			Qty above 125%			Total Amount	Work Slip Amount 11-09
	Qty	Rate	Amount	Qty	Rate	Amount	14+17	
11	12	13	14.00	15	16	17.00	18	19
4,60,586.84	6888.05	28.90	1,99,064.65	9246.93	28.28	2,61,522.20	4,60,586.84	301335.13
10,09,422.17	82536.56	12.23	10,09,422.17	0.00		0.00	10,09,422.17	41251.22
91,26,086.66	1352.41	6748.01	91,26,086.66	0.00		0.00	91,26,086.66	798974.84
17,56,152.09	200.25	5776.55	11,56,754.14	106.03	5653.15	5,99,397.96	17,56,152.09	830748.78
8,08,989.60	2147.00	376.80	8,08,989.60	0.00		0.00	8,08,989.60	20648.64
4,73,967.20	16.00	29622.95	4,73,967.20	0.00		0.00	4,73,967.20	0.00
56,609.80	5250.00	5.56	29,190.00	5041.46	5.44	27,419.80	56,609.80	33257.80
1,87,082.40	406.25	96.70	39,284.38	1561.75	94.64	1,47,798.03	1,87,082.40	155654.90
16,496.79	50.00	46.68	2,334.00	310.00	45.69	14,162.79	16,496.79	14629.59

Sl. No.	Description of work	Unit	As per Tender			Total Antisipated Qty
			Qty	Rate	Amount	
1	2	3	7	8	9	10
50	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	sqm	84.00	732.49	61529.16	537.50
54	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	cum	40.98	5871.03	240594.81	41.25
77	Add cost of Waste Plastic @ 8% of Bitumen Weight	kgs	19315.30	28.31	546816.14	25,130.56
					10,17,01,384.78	
	Estimate Cost		**9,69,80,738.26**			
	Tender Amount		**10,17,01,384.78**			
	Total Work Slip Amount		**90,24,825.12**			
	Percentage of Work Slip Amount Compared to Tender Amount		**8.87%**			

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An

Consultant

Assistant Engineer
Byatarayanapura Division
B.B.M.P

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Total Amount 14+17	Qty up to 125%			Qty above 125%			Total Amount 14+17	Work Slip Amount 11-09
	Qty	Rate	Amount	Qty	Rate	Amount		
11	12	13	14.00	15	16	17.00	18	19
3,86,945.51	105.00	732.49	76,911.45	432.50	716.84	3,10,034.06	3,86,945.51	325416.35
2,42,179.99	41.25	5871.03	2,42,179.99	0.00		0.00	2,42,179.99	1585.18
7,11,446.14	24144.13	28.31	6,83,520.32	986.43	28.31	27,925.82	7,11,446.14	164630.00
								90,24,825.12

Workslip Amount	**90,24,825.12**	**8.87**	**%**
Amount put to tender	**10,17,01,384.78**		

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Executive Engineer
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